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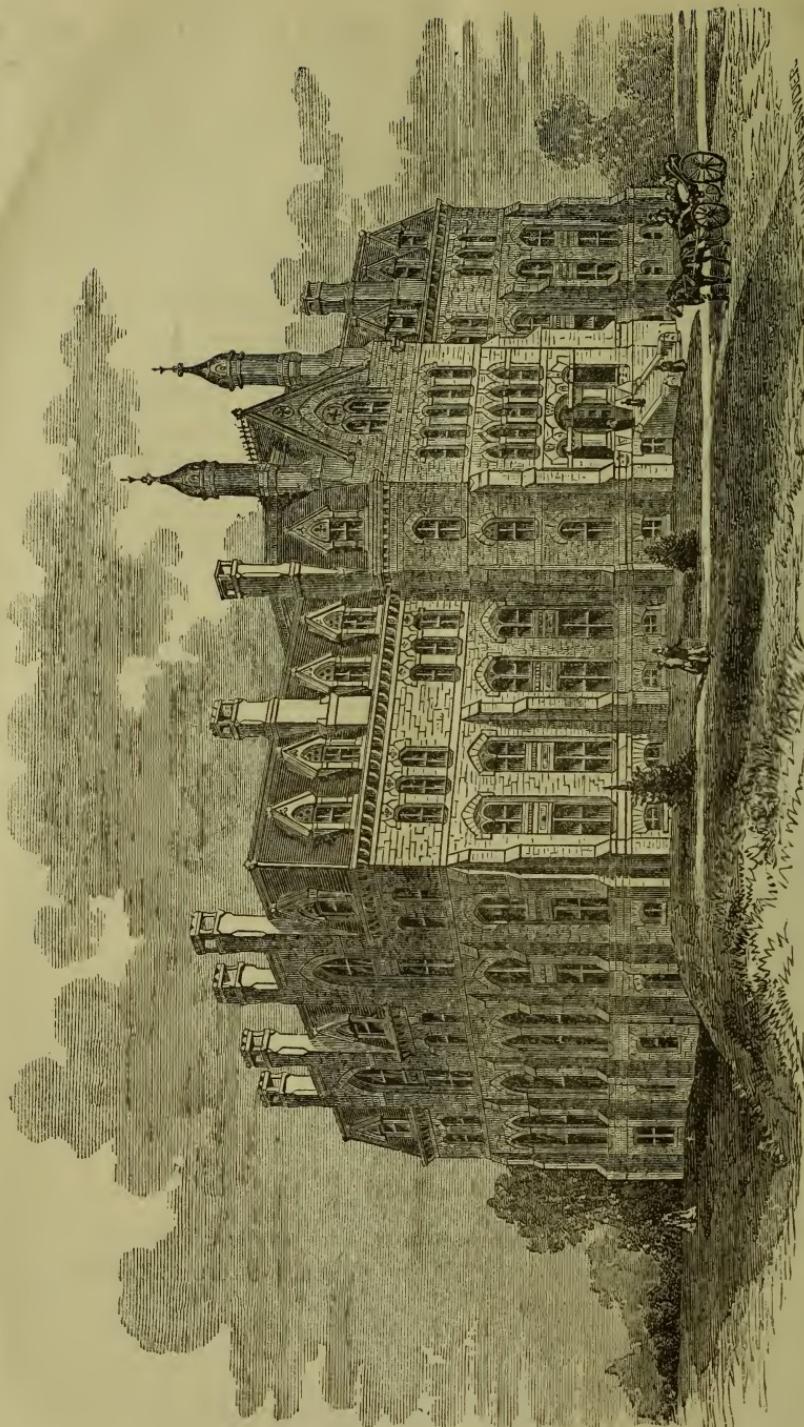
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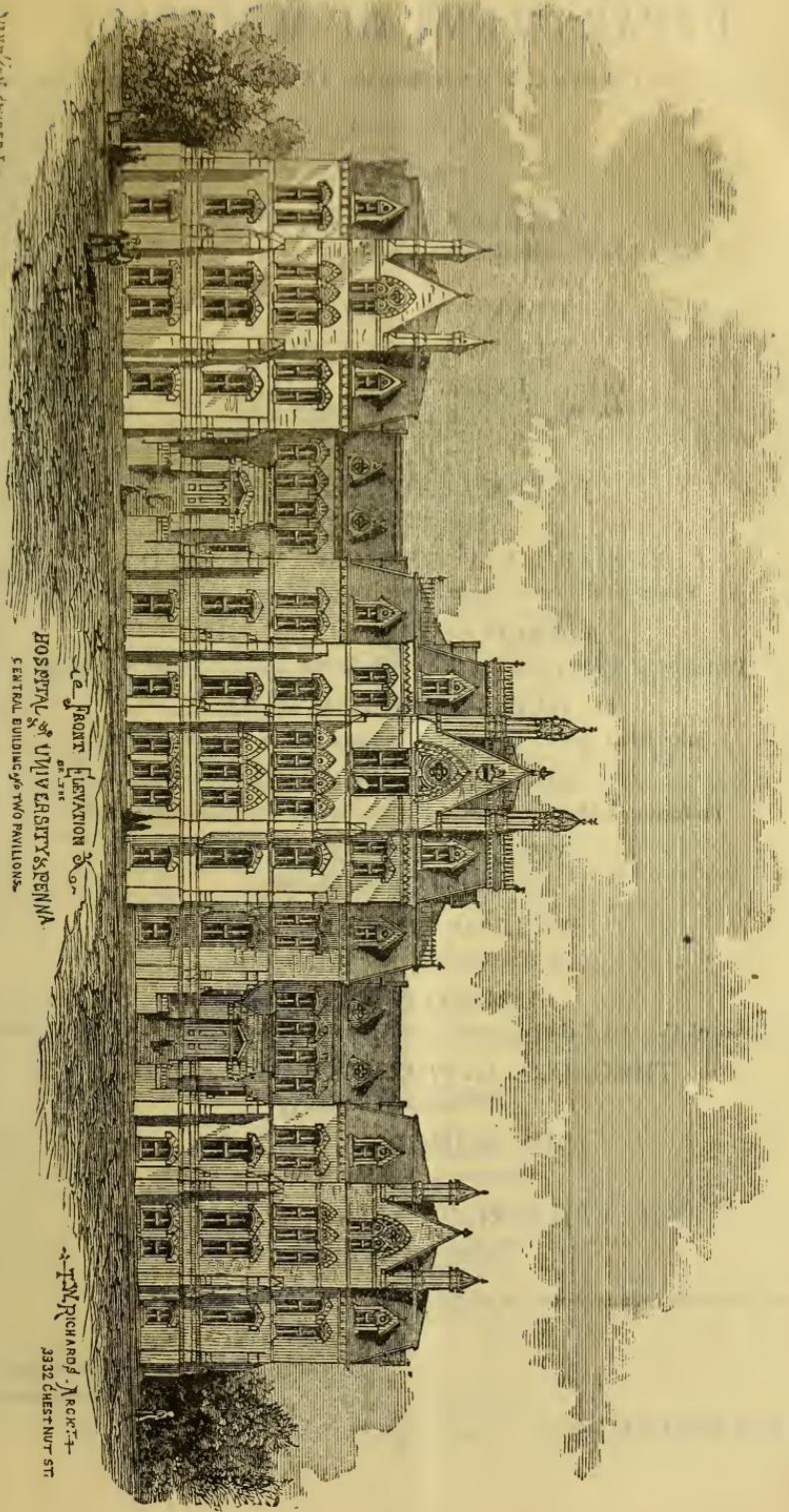
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208 S. Fourth Street, Philadelphia.



UNIVERSITY OF PENNSYLVANIA

Medical Department,  
T. W. RICHARDS, ARCHT.

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FRONT ELEVATION  
HOSPITAL OF UNIVERSITY OF PENNA.

CENTRAL BUILDING & TWO PAVILIONS.

T. W. RICHARDSON,  
ROCKFELLER,  
3332 CHESTNUT ST.

# DEPARTMENT OF MEDICINE.

THIRTY-SIXTH STREET AND WOODLAND AVENUE (DARBY ROAD).

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## FACULTY.

CHARLES J. STILLÉ, LL.D.,

Provost of the University and *ex-officio* President of the Faculty.

---

HENRY H. SMITH, M.D.,

Emeritus Professor of Surgery.

JOHN NEILL, M.D.,

Emeritus Professor of Clinical Surgery.

---

JOSEPH LEIDY, M.D., LL.D.,

Professor of Anatomy.

RICHARD A. F. PENROSE, M.D., LL.D.,

Professor of Obstetrics and Diseases of Women and Children.

ALFRED STILLÉ, M.D., LL.D.,

Professor of Theory and Practice of Medicine, and of Clinical Medicine.

D. HAYES AGNEW, M.D., LL.D.,

John Rhea Barton Professor of Surgery and of Clinical Surgery.

HORATIO C. WOOD, M.D.,

Professor of Materia Medica, Pharmacy, and General Therapeutics.

WILLIAM PEPPER, M.D.,

Professor of Clinical Medicine.

WILLIAM GOODELL, M.D.,

Professor of Clinical Gynaecology.

JAMES TYSON, M.D.,

Professor of General Pathology and Morbid Anatomy, and Secretary of the Faculty.

THEODORE G. WORMLEY, M.D., LL.D.,

Professor of Chemistry.

JOHN ASHHURST, JR., M.D.,

Professor of Clinical Surgery.

HARRISON ALLEN, M.D.,

Professor of Physiology.

All communications should be addressed to

JAMES TYSON, M.D.,

*Secretary of the Faculty of Medicine,*

*University of Pennsylvania*

WM. H. SALVADOR, *Clerk.*

## DEMONSTRATORS.

H. LENOX HODGE, M.D., Demonstrator of Anatomy.

CHARLES T. HUNTER, M.D., Demonstrator of Surgery.

J. H. C. SIMES, M.D., Demonstrator of Pathological Histology.

ADOLPH W. MILLER, M.D., Demonstrator of Practical Pharmacy.

JOSEPH G. RICHARDSON, M.D., Demonstrator of Normal Histology.

CHARLES B. NANCREDE, M.D., Demonstrator of Osteology and Syndesmology.

GRIFFITH E. ABBOT, M.D., PH.D. JENA,

JOHN MARSHALL, M.D., JAMES H. WROTH, M.D.

Demonstrators of Practical Chemistry.

ROBERT MEADE SMITH, M.D., Demonstrator of Experimental Physiology.

HENRY F. FORMAD, M.D., Assistant Demonstrator of Pathological Histology.

GEORGE A. PIERSOL, M.D., FRÉDERICK T. ABEL, M.D.,

A. SIDNEY ROBERTS, M.D.,

Assistant Demonstrators of Normal Histology.

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Assistant Demonstrators of Anatomy.

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Assistant Demonstrators of Surgery.

A. L. TOBOLDT, M.D., Assistant Demonstrator of Practical Pharmacy.

ROLAND G. CURTIN, M.D., Assistant to the Professor of Clinical Medicine.

DANIEL BRAY, M.D., Assistant to the Professor of Obstetrics.

H. R. WHARTON, M.D., Assistant to the Professor of Clinical Surgery.

HENRY F. FORMAD, M.D., Librarian, and Asst. to the Prof. of Morbid Anatomy.

HERMAN HOUPt, JR., M.D., Assistant to the Professor of Physiology.

## LECTURERS IN THE SPRING SESSION.

H. LENOX HODGE, M.D., Regional Anatomy.

CHARLES T. HUNTER, M.D., Operative and Minor Surgery.

J. WM. WHITE, M.D., Venereal Diseases.

DE FOREST WILLARD, M.D., Orthopædic Surgery.

R. G. CURTIN, M.D., Physical Diagnosis.

JOHN GUITÉRAS, M.D., General Symptomatology.

S. D. RISLEY, M.D., Ophthalmoscopy.

E. O. SHAKESPEARE, M.D., Refraction and Accommodation of the Eye, and  
Operative Ophthalmic Surgery.

ADOLPH W. MILLER, M.D., Practical Pharmacy.

J. H. C. SIMES, M.D., Histology.

ELLIOTT RICHARDSON, M.D., Practical Obstetrics.

C. K. MILLS, M.D., Electro-Therapeutics.

CARL SEILER, M.D., Laryngoscopy.

EDWARD T. BRUEN, M.D., Pathology of the Urine.

CHARLES B. NANCREDE, M.D., Descriptive Anatomy of the Bones and Joints.

# HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA.

## HOSPITAL STAFF.

ALFRED STILLÉ, M.D., Professor of the Theory and Practice of Medicine,  
and of Clinical Medicine,  
D. HAYES AGNEW, M.D., Professor of Surgery,  
R. A. F. PENROSE, M.D., Professor of Obstetrics and of the Diseases of  
Women and Children,  
WILLIAM PEPPER, M.D., Professor of Clinical Medicine;  
D. HAYES AGNEW, M.D., Professor of Clinical Surgery;  
WILLIAM GOODELL, M.D., Professor of Clinical Gynæcology;  
JAMES TYSON, M.D., Professor of General Pathology and Morbid Anatomy;  
JOHN ASHHURST, JR., M.D., Professor of Clinical Surgery;  
WILLIAM F. NORRIS, M.D., Clinical Professor of Diseases of the Eye;  
GEORGE STRAWBRIDGE, M.D., Clinical Professor of Diseases of the Ear;  
HORATIO C. WOOD, M.D., Clinical Professor of Nervous Diseases;  
LOUIS A. DUHRING, M.D., Clinical Professor of Skin Diseases.

*ex officio.*

## DISPENSARY SERVICE.

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| LOUIS STARR, M.D.,      | BENJAMIN B. YOCUM, M.D., |

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CHARLES K. MILLS, M.D., Chief of the Dispensary for Nervous Diseases.

SAMUEL D. RISLEY, M.D., Chief of the Dispensary for Diseases of the Eye.

ARTHUR VAN HARLINGEN, M.D., Chief of the Dispensary for Skin Diseases.

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and Children.

CARL SEILER, M.D., Assistant in the Medical Dispensary in Charge of Throat Diseases.

DE FOREST WILLARD, M.D., Assistant in the Surgical Dispensary in Charge of Ortho-  
paedic Department.

J. WILLIAM WHITE, M.D., Assistant in Surg. Dispensary in Charge of Venereal Dept.

GEORGE A. PIERSOL, M.D., Assistant in the Dispensary for Diseases of the Eye.

DOWLING BENJAMIN, M.D., Assistant Physician in the Dispensary for Nerv. Diseases.

} Assistant Physicians in the Medical Dispensary.

} Assistant Surgeons in the Surgical Dispensary.

## ANNOUNCEMENT.

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THE University of Pennsylvania, in West Philadelphia, occupies over twenty acres of elevated ground, more than half of which is devoted to the Medical Department, and has situated upon it the Hall of this Department, the Laboratory Building, and the University Hospital. The peculiar situation of the Institution affords the clinical and other advantages of a large city, while it secures the scarcely less valuable surroundings of a semi-rural district. Fifteen minutes' ride in the street cars places the student in the very heart of the metropolis; while the pure air, the quiet, the freedom from interruption, and the absence of temptations to idleness tend not only to preserve the health of the classes, but also to foster those habits of industry which are essential to study, and which form the basis of professional success. No other medical school in Philadelphia is in such close proximity to as many large hospitals. Immediately adjacent to the Medical Building is the University Hospital; and, separated from it only by a street, is the great municipal, or Philadelphia Hospital, with its 1000 beds available for practical instruction. At the distance of about half a mile are the Presbyterian and Children's Hospitals, and, readily accessible by street-cars, the Pennsylvania Hospital offers its abundant opportunities for clinical instruction.

It is now two years since the medical course of the University was so extended as to require three years for its completion. The experience thus gained has suggested several minor modifications of the curriculum, but has also demonstrated the efficiency of its general arrangement. *For entrance at the coming session (1879-80) no preliminary examination will be required, but in the Fall of 1880 (session of 1880-81) a preliminary examination will be instituted, which every candidate, who has not previously received a collegiate degree, must pass.* The applicant will be required: *First*, to write a brief essay, not exceeding a page of foolscap, which will serve as a test of his qualifications in orthography and grammar: *Second*, to undergo an examination in the elementary principles of Physics, as contained in Fownes's Chemistry: *Third*, to pass an examination in easy Latin prose translation (*First Book of Caesar's Commentaries*). In lieu of Latin, any language other than English may be substituted.

During the first and second year much of the student's time is occupied with practical work in the various laboratories, but throughout the second and third session he is expected to attend the general medical and surgical clinics at the University and Philadelphia Hospitals; and special clinical facilities are provided for the third year. In this year each student is furnished bedside instruction in clinical medicine and surgery, in auscultation and percussion; and in gynaecology. Opportunities are afforded to those who desire them for practical study of diseases of the eye, ear, throat, and skin, and for acquiring proficiency in the use of the various instruments employed in their treatment. For this

purpose the third-year class will be divided into sections of convenient size, each of which will receive from the Professors of the respective branches, direct personal instruction in the various practical subjects above mentioned.

The laboratory instruction in chemistry, pharmacy, and normal and pathological histology, which is described in the subsequent sections of the announcement devoted to these subjects, forms a part of the regular course, and does not involve extra expense. It is co-ordinated with the didactic teaching in such a manner as to illustrate the subjects taught in the lectures.

Opportunities are also given to advanced students to make original researches not only in the pharmaceutical, chemical, and pathological laboratories, but also in those of physiology and of experimental therapeutics.

It would be a work of supererogation here to portray the defects of the old plan of teaching, or to reason upon the advantages of the new; the condemnation of the former method has been so earnest and general, and the recognition of the superiority of the improved plan so hearty and widespread, as to render elaborate comparison superfluous. For the sake, however, of those about entering upon the study of medicine, a few brief remarks seem allowable. With but two courses of lectures, of five months each, it is impossible to grade the studies so that the student shall be advanced from one to the other as he increases in knowledge, and it is equally impossible to give sufficient practical teaching, either in the laboratory or at the bedside. By prolonging the period of medical study, the authorities of the University have been enabled to so arrange the course as to allow of the constant introduction of new matter as the student advances, and at the same time to secure at least as much repetition of the more essential subjects, as in the former system of teaching. A prominent feature of the present curriculum is systematic laboratory work in the fundamental medical sciences, as well as the personal teaching of each student in practical subjects of the greatest importance—such as physical diagnosis, clinical medicine, clinical surgery, and clinical gynaecology. A graduate of the Medical Department of the University has been trained not only in the theory of medicine, but has also been taught to perform the chemical, pharmaceutical, and microscopic manipulations required by his calling; to diagnose and treat medical and surgical diseases, and to recognize their post-mortem appearances. Exclusively didactic teaching has been universally abandoned in every branch of scientific and technical education, save the medical. Therefore, in adopting the present method, the Trustees and the Medical Faculty of the University felt that they were only adopting one which, in other departments of science, had produced the most valuable fruits. The result shows that, sooner or later, medical teaching in this country must be conformed to the system which has long been recognized as the only suitable one in the great medical centres of Europe. Day by day the line which separates the graduates of superior or advanced schools from those of institutions clinging to the old standard becomes more and more distinct. The attention of the community is fully aroused, and it is unquestionable that the future graduates of the University and of schools upon a similar basis will not only be entitled to, but will also receive, a larger share of the confidence of the community than will be given to those who have pursued a more theoretical and less thorough course of study.

## MEDICAL FACULTY.

The Medical Department is under the immediate government of the Faculty of Medicine, subject to the Rules and Statutes of the Board of Trustees. The Faculty consists of—

The Provost, *ex officio*, PRESIDENT,  
 A Professor of ANATOMY,  
 A Professor of CHEMISTRY,  
 A Professor of PHYSIOLOGY,  
 A Professor of GENERAL PATHOLOGY AND MORBID ANATOMY,  
 A Professor of MATERIA MEDICA, PHARMACY, AND GENERAL THERAPEUTICS,  
 A Professor of the THEORY AND PRACTICE OF MEDICINE AND OF CLINICAL MEDICINE,  
 A Professor of SURGERY,  
 A Professor of OBSTETRICS AND OF THE DISEASES OF WOMEN AND CHILDREN,  
 A Professor of CLINICAL MEDICINE,  
 A Professor of CLINICAL SURGERY,  
 A Professor of CLINICAL GYNAECOLOGY.

## CURRICULUM.

## FIRST YEAR.

|   |                      |                      | Total hours<br>per week. |
|---|----------------------|----------------------|--------------------------|
| Anatomy . . . . .   | 4 lectures per week. | 14 hours dissection. | 18                       |
| Histology . . . . .   |                      | 2 " laboratory.      | 2                        |
| Materia Medica and Pharmacy . . . . .   | 1 " "                | 1 " "                | 2                        |
| General Chemistry . . . . .   | 3 " "                | 8 " "                | 11                       |
| Physiology* . . . . .   | 3 " "                |                      | 3                        |
| General Clinics—Medical and Surgical . . . . .  |                      |                      | 2                        |
| Final examinations at the end of the Course: General Chemistry, Materia Medica, and Pharmacy. |                      |                      |                          |

## SECOND YEAR.

|  |                      |                            |    |
|--|----------------------|----------------------------|----|
| Anatomy . . . . .                              | 4 lectures per week. | 10 hrs. ev'ing dissection. | 14 |
| Topographical Anatomy . . . . .                | 2 "                  | "                          | 2  |
| Medical Chemistry . . . . .                    | 1 "                  | " 4 hours laboratory.      | 5  |
| Physiology* . . . . .                          | 3 " "                |                            | 3  |
| General Pathology and Morbid Anatomy . . . . . | 2 " "                | 1 hour "                   | 3  |
| Topographical Anatomy . . . . .                | 2 " "                | "                          | 2  |
| Therapeutics . . . . .                         | 3 " "                |                            | 3  |
| Theory and Practice of Medicine . . . . .      | 4 " "                |                            | 4  |
| Surgery . . . . .                              | 4 " "                |                            | 4  |
| Obstetrics . . . . .                           | 3 " "                |                            | 3  |
| General Clinics—Medical and Surgical . . . . . |                      |                            | 8  |

Final examinations at the end of the Course: Anatomy, Medical Chemistry, and Physiology.

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\* Opportunities for practical work in the physiological laboratory will be afforded to those who desire them. A fee of \$5 a month is charged.

## THIRD YEAR.

|  |   |   |                          |                            |
|--|---|---|--------------------------|----------------------------|
| General Pathology and Morbid Anatomy   | . | . | 2 lectures per week.     | 2                          |
| Topographical Anatomy  | . | 2 | " "                      | 2                          |
| Therapeutics   | . | 3 | " "                      | 3                          |
| Theory and Practice of Medicine  | 4 | " | "                        | 4                          |
| Surgery  | . | 4 | " "                      | 4                          |
| Obstetrics   | . | 3 | " "                      | 3                          |
| Operative Surgery, Minor Surgery, and Bandaging  | . | 1 | " "                      | 2 hours' practice. 3       |
| Diseases of Women and Children   | 1 | " | "                        | 1                          |
| Didactic Gynaecology   | . | 1 | " "                      | 1 hr. bedside teaching.* 2 |
| *Bedside Instruction in Practical Medicine (including Physical Diagnosis)                      | . | 1 | " "                      | 2                          |
| *Bedside Instruction in Practical Surgery  | . | . | I hr. practical instruc. | 1                          |
| *Practical Ophthalmology   | . | . | " "                      | 1                          |
| * " Otology  | . | . | " "                      | 1                          |
| * " Dermatology  | . | . | " "                      | 1                          |
| * " Electro-therapeutics   | . | . | " "                      | 1                          |
| General Clinics—Medical and Surgical   | . | . | .                        | 8                          |
| Special Clinics (Nervous Diseases, Diseases of Skin, Eye, Ear, Diseases of Women and Children) | . | . | .                        | 5                          |

Final examinations for Degree at the end of the Course: General Pathology and Morbid Anatomy, Therapeutics, Theory and Practice of Medicine, Surgery, and Obstetrics.

## TEXT-BOOKS AND WORKS OF REFERENCE.

*On Anatomy:* Sharpey and Quain's Anatomy; Gray's Anatomy; Stricker's Manual of Histology.

*On Chemistry:* Wurtz's Elements of Modern Chemistry; Fownes' or Attfield's Chemistry; Wormley's Micro-Chemistry of Poisons; Reese's Manual of Toxicology; Tyson's Practical Examination of Urine; Clowes' Analytical Chemistry; Bowman's Medical Chemistry.

*On Physiology:* Carpenter's Physiology, by Smith; Foster's Physiology, with Frey's Compendium of Histology; Tyson's Cell Doctrine.

*On General Pathology and Morbid Anatomy:* Rindfleisch's Pathological Histology; Cornil and Ranvier's Pathological Histology, translated by Shakespeare and Simes; Wagner's General Pathology; Orth's Diagnosis in Pathological Anatomy.

*On Materia Medica:* H. C. Wood's Therapeutics; Wood and Bache's Dispensatory.

*On Practice of Medicine:* Wood's, Bristowe's, or Roberts' Practice of Medicine; Stillé's Therapeutics; Walshe on the Heart and Lungs; Gee on Auscultation and Percussion; Duhring on Diseases of the Skin.

*On Surgery:* Agnew's Surgery; Ashurst's Surgery; Smith's Principles and Practice of Surgery; Erichsen's Surgery; Billroth's Surgical Pathology.

*On Obstetrics:* Hodge's Obstetrics; Hodge on Diseases Peculiar to Women; Playfair's Midwifery; West on Diseases of Women; West on Diseases of Children; Meigs and Pepper on Diseases of Children.

*On Gynaecology:* Thomas on Diseases of Women; Emmet's Practice of Gynaecology; Goodell's Lessons in Gynaecology.

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\* For these courses the class will be divided into sections, so that each student may receive direct personal instruction. The Courses on Ophthalmology, Otology, Dermatology, and Electro-Therapeutics are optional, and for each a special fee of \$10 will be charged.

RULES AND REQUIREMENTS FOR ADMISSION AND GRADUATION.

I. For admission to the next session, 1879-80, there will be no preliminary examination. See also p. 9.

II. Students who have attended one course in a regular\* medical school shall be admitted as students of the second course in the University of Pennsylvania, after having satisfactorily passed an examination in General Chemistry and Materia Medica and Pharmacy. Students who have attended two courses in a regular medical school shall be admitted as students of the third course in this institution, after having satisfactorily passed an examination in General and Medical Chemistry, Materia Medica and Pharmacy, Anatomy, and Physiology.†

*Graduates* of other regular medical schools in good standing shall be admitted as students of the third course in this institution without an examination.

Graduates of Colleges of Pharmacy and Dental Colleges in good standing are admitted to the second course of this institution without an examination.

III. The candidate for the Degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character. He must have applied himself to the study of medicine for three years, and have attended at least his last course of instruction in this school; have prepared a satisfactory thesis,‡ and have passed the required examinations.

IV. When a candidate applies to the Secretary of the Faculty for examination, he must give satisfactory evidence that the above rules have been complied with.

V. Candidates who have not been successful upon a first examination will be permitted to have a second before the June commencement.

VI. The candidate shall pay the graduation fee on the presentation of his thesis, or before receiving notice of having successfully passed his final examination. Upon receiving such notice, he will enter his name on the register for the purpose of being reported to the Board of Trustees.

VII. Candidates who have passed their examination, and in other respects complied with the regulations, are reported by the Secretary of the Faculty to the Provost of the University, who communicates such report to the Board of Trustees, in order that, if approved of by them, their mandamus may be issued for conferring the Degree.

VIII. The Commencement for conferring the Degree of Doctor of Medicine is held on the 15th day of March, unless that day shall fall on a Saturday or Sunday, when it will be held the preceding Friday.

IX. The Degree will not be conferred upon a candidate who absents himself from the Public Commencement, except by special permission of the Medical Faculty.

\* Homeopathic and Eclectic schools are not recognized as being in this category.

† These examinations for admission to advanced standing in the next year will be held on Thursday, September 25th, 1879, at 12 M.

‡ The thesis must be in the candidate's own handwriting, and should be written on thesis paper, the alternate pages being left blank. It is recommended that the candidate prepare his essay before the commencement of the last course of lectures. It should also be bound.

A thesis may be published by the candidate if he desires it, the permission of the professor by whom he was examined thereon having been first obtained; but no alteration shall be made in such thesis without the consent of the said professor.

## ARRANGEMENT OF SESSIONS.

The *Winter Session*, upon which alone attendance is obligatory, begins on the first day of October, and ends on the last week-day of February ensuing.

The *Preliminary Session* begins on the second Monday in September, and ends on the Saturday preceding the first day of October.

The *Spring Session* begins on the first Monday in April, and ends about the middle of June.

## PRELIMINARY SESSION—1879.

This Session, beginning the second Monday in September and continuing until the commencement of the Winter Term, although not obligatory upon students, is strongly recommended to those who can attend it. It includes lectures, didactic and clinical, by members of the Faculty, together with selected lectures on the more important subjects taught by the Lecturers in the Spring Session.

No fee is charged for this session.

**The Lectures of the Winter Session of 1879–80 will begin on Wednesday, October 1, 1879.**

## EXPENSES.

## WINTER TERM.

## FIRST YEAR.

|   |             |
|---|-------------|
| Matriculation Fee . . . . .   | \$5 00      |
| For general ticket, admitting to all the lectures and laboratory work assigned to this year . . . . . | 140 00      |
| Dissecting ticket (required, and good for the academic year) . . . . .                                | 10 00       |
| Dissecting material . . . . .   | \$1 a part. |

## SECOND YEAR.

|   |             |
|---|-------------|
| For general ticket, admitting to all the lectures and laboratory work assigned to this year . . . . . | \$140 00    |
| Dissecting ticket (required) . . . . .  | 10 00       |
| Dissecting material . . . . .   | \$1 a part. |

## THIRD YEAR.

|  |             |
|--|-------------|
| General ticket, admitting to all the lectures and practical work assigned to this year . . . . . | \$100 00    |
| Operating and bandaging ticket (required) . . . . .  | 10 00       |
| Material for operating . . . . .   | \$1 a part. |
| Graduation fee . . . . .   | 30 00       |

## SPRING SESSION.

|   |        |
|---|--------|
| Matriculation fee (paid once only) . . . . .  | \$5 00 |
| To old matriculates a registration fee of . . . . .                                 | 5 00   |
| To new matriculates, in addition to the matriculation fee . . . . .                 | 35 00  |
| (\$30 of which will be credited on account of the fee for the ensuing Winter Term.) |        |

## FEES FOR SPECIAL COURSES.

(Gentlemen taking special or partial courses, if not graduates of the school, are required to pay the matriculation fee, in addition to the fees named below.)

|   |      |
|---|------|
| Fee for the full third Course to graduates of this school . . . . .                                     | \$50 |
| “ “ “ “ “ of other schools . . . . .  | 100  |
| “ a single Course of Lectures, except Materia Medica and General Pathology and Morbid Anatomy . . . . . | 20   |
| “ Course on Materia Medica . . . . .  | 10   |
| “ Course on General Pathology and Morbid Anatomy . . . . .  | 15   |
| “ Practical Course in the Chemical Laboratory . . . . .   | 25   |
| “ Practical Physiology, \$5 per month.  |      |
| “ Course in Practical Gynecology . . . . .  | 25   |
| “ Course in Practical Ophthalmology, Dermatology, Otology, and Neurology . . . . .                      | 10   |
| “ any one of the remaining practical Courses . . . . .  | 15   |

Graduates of the school are admitted to the LECTURES free of charge, but the above fees are charged to all for the practical courses.

At the beginning of the first course, students will be required to make a deposit of \$5 with the Professor of Chemistry to cover "breakage" in the Chemical Laboratories. Any balance remaining will be returned.

All fees, including those for dissecting, bandaging, and operating, are payable in advance to the Secretary of the Faculty, who will issue a general ticket of admission to all the lectures.

No promissory notes will be received, or reductions made. The only free scholarships granted will be under the regulations named below.

Board can be obtained in Philadelphia for \$4 per week and upwards.

## SCHOLARSHIPS.

There will be held at the Medical Hall, on Wednesday, September 24, 1879, at 12 o'clock, a competitive examination of candidates to fill a limited number of free scholarships created by the Board of Trustees. The candidates will be required—

First. To furnish satisfactory evidence that they are without means to defray the expenses of a medical education.

Second. To write a brief autobiography, not exceeding a page of foolscap, which will serve as a test of their qualifications in orthography and grammar.

Third. To pass an examination in Latin prose translation, for which French, German, or Greek may be substituted; and an examination in elementary Physics.

Candidates who propose to present themselves for examination will send their names to the Secretary of the Faculty of Medicine, and appear without further notice at the hour and place above named.

## SPRING COURSE OF LECTURES—1879.

In order still further to extend the opportunities for thorough preparation, and to provide facilities for research and experiment to advanced students and graduates, the various laboratories in connection with the University are open during the spring and early summer.

The clinics and lectures are continued at the Hospital, and the Faculty have further established a spring course on important subjects by a special corps of instructors. The following are subjects upon which instruction is given: ANATOMY OF THE BONES AND JOINTS; PATHOLOGICAL ANATOMY; REGIONAL ANATOMY; HISTOLOGY; EXPERIMENTAL PHYSIOLOGY; GENERAL SYMPTOMATOLOGY; PHYSICAL DIAGNOSIS; OPERATIVE and MINOR SURGERY; ORTHOPÆDIC SURGERY; OPHTHALMOSCOPY; REFRACTION and ACCOMMODATION OF THE EYE, and OPERATIVE OPHTHALMIC SURGERY; PATHOLOGY OF THE URINE; VENEREAL DISEASES; PRACTICAL OBSTETRICS;

PRACTICAL PHARMACY; ELECTRICAL THERAPEUTICS; LARYNGOSCOPY; CLINICAL MEDICINE; CLINICAL SURGERY; CLINICAL GYNÆCOLOGY; DISEASES OF THE NERVOUS SYSTEM; DISEASES OF THE EYE; DISEASES OF THE EAR; and DISEASES OF THE SKIN.

The lectures and clinics, together with the lectures of the Auxiliary Faculty of medicine, the clinical facilities, bedside instruction, etc., at the Philadelphia Hospital and at the Pennsylvania Hospital, afford a valuable post-graduate course.

#### HALL OF THE MEDICAL DEPARTMENT.

The Hall of the Medical Department is 159 feet in length by 92 feet in width, and four stories high. There is in America no building devoted to a similar purpose which can compare with it in appropriateness of architecture, in size, or in the completeness of its appointments. The lecture rooms are three in number, commodious, well ventilated, and fitted with all the requirements for didactic teaching. The two dissecting rooms are spacious, retired, and abundantly supplied with air and light from above. The room for operative surgery leaves nothing to be desired. Besides these various apartments, the Medical Hall contains numerous private offices, a library, a pharmaceutical laboratory, metallurgic laboratory, and a well-appointed lunch room. The spacious Hall occupied by the Museum is thoroughly lighted.

The WISTAR AND HORNER MUSEUM, which was founded nearly ONE HUNDRED YEARS ago, and has been annually augmented, is unequalled in the United States for the number and variety of its specimens of the normal and the morbid anatomy of every part of the human body. It also contains a large number of preparations in comparative anatomy, and an extensive collection of artistic models, which are used in illustrating the several courses of lectures delivered in the Medical Department.—The ticket of matriculation in this Department entitles the holder to admission to the Museum, which is open on Wednesday and Saturday of each week, from 9 A. M. to 12 M., throughout the session.

The Cabinet of the Professor of Theory and Practice of Medicine, collected by the late Dr. George B. Wood while he held that chair, and generously given by him to the University, contains an extensive series of wet preparations, drawings, and models in wax and other materials, which together form a collection unrivalled in extent and value, for illustrating diseases of the internal organs and of the skin.

Through the kind interest felt for the School by the late distinguished Professor of Obstetrics, Dr. Hugh L. Hodge, its means of Instruction have been enriched by the gift of his valuable Cabinet adapted for illustrating that special branch.

Through a like liberality of Drs. Henry H. Smith and John Neill, Emeritus Professors of Surgery, the University has received an extensive and valuable gift of models, specimens, and drawings.

The spacious and elegant apartments devoted to these collections in the new building have greatly improved their display, and rendered them more accessible for examination.

#### PRACTICAL ANATOMY.

The DISSECTING ROOMS of the University are open throughout the year (except in July and August), under the superintendence of the Professor of Anatomy and the Demonstrator.

In building the new Medical Hall of the University, care has been taken to provide Dissecting Rooms which should contain everything that experience has suggested as being necessary or desirable. The rooms are at the top of the building; the ceilings very high. The *ventilation* is of the most perfect kind, and adapted both to winter and summer. The *light* is strong and equably diffused over the whole space by means of extensive skylights and side-windows. There are gas burners over every table for work by night. Every table has a *stone* top, which cannot absorb the discharges and can be kept perfectly clean. There are numerous wash-stands, and many private closets. *Cleanliness* is rigidly enforced. The preservation of the *cadaver* has been so successfully accomplished as almost to do away with the dangers of dissecting wounds. Dissection is legalized in Pennsylvania.

#### OSTEO-SYNDESMOLOGICAL LABORATORY

Is under the supervision of the Professor of Anatomy and the Demonstrator of Osteology and Syndesmology. The first course student is required, in this Laboratory, furnished with ample material for the purpose, to make himself familiar with the skeleton and the articulations, before commencing with dissection of the *cadaver*.

#### PRACTICAL SURGERY.

The OPERATING ROOM is open during the Session, under the supervision of the Professor of Surgery and the Demonstrator of Surgery. Every student is here thoroughly instructed and practically trained in the application of bandages and surgical apparatus, and in the performance of operations upon the *cadaver*. Instruments, splints, and bandages are supplied free of cost.

#### THE STILLÉ MEDICAL LIBRARY.

This Library, which was founded by Prof. Alfred Stillé for the purpose of promoting a spirit of scientific research and literary culture, now contains nearly four thousand volumes. During the Winter and Spring Courses it is accessible to advanced students and graduates of the Medical Departments under appropriate regulations.

#### THE HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA.

The University Hospital is an elegant and commodious edifice, constructed according to the best-established principles of hospital architecture, and provided with all the appliances pertaining to such institutions of the first class. It is adjacent to the new Medical Hall, and forms an integral portion of the Medical Department. There were treated in its various departments, during 1878, 6903 cases, representing almost all of the known medical, surgical, and gynæcological affections. Owing to its being situated within a very short distance of the great railroad depots, the Hospital is especially rich in cases of severe injury, and its acute surgery is almost unrivalled. Attendance on the Clinical Lectures delivered in its amphitheatres and its wards is a part of the daily duties of the students, and ample opportunities are afforded to the more advanced among them to gain a personal and practical acquaintance with Clinical Medicine, Surgery, Gynæcology and Specialties. These subjects are taught by the several Clinical Professors.

### OTHER HOSPITALS AND HOSPITAL CLINICS.

In addition to the official clinical lectures and bedside instruction delivered at the University Hospital, and the other diversified means of acquiring practical knowledge and skill which that Institution affords, medical students have the opportunity of attending clinical lectures in other Hospitals, as well as private classes formed for the special study of disease.

The PHILADELPHIA HOSPITAL, contiguous to the grounds of the University, contains 1000 beds; in it are delivered twice a week Clinical Lectures on Medicine, Surgery, and the Diseases of Women and Children. Lectures on Clinical Medicine and Surgery are also delivered twice a week during the greater part of the year by the Medical Staff of the PENNSYLVANIA HOSPITAL. Instruction in Clinical Surgery is also given at the CHILDREN'S HOSPITAL. To all of these institutions students are admitted without charge, except at the Pennsylvania Hospital, where a small fee is now charged.

During the spring and summer *private* classes are also formed for Clinical Instruction, for which a moderate fee is required.

Appointments of RESIDENT PHYSICIANS, amounting to twenty-five or more, are made annually in the different Hospitals of the city, and are open to competition by the graduates of the school, of whom a large number have filled these valuable situations. The resident physicians of the University Hospital are every year selected by competitive examination from among the graduating class of the University.

From the preceding summary it is evident that a prolonged residence in the city must be of the utmost value to the student, by enabling him to pursue a systematic course of study and to become practically familiar with the scientific methods of investigating disease, and with the principles and results of its treatment.

### THE LABORATORY BUILDING.

This building is 46 ft. 6 in. wide, and 151 ft. 6 in. long, with a projection in the centre of the front on Spruce Street of 3 ft., and in the rear of 14 ft., and corresponds architecturally with the other buildings of the University.

The first story is arranged for the Operating Room or Infirmary of the Dental Department, having the necessary waiting-rooms, water-closets, etc., carefully adapted to the requirements of this department. The entrance is from the centre on Spruce Street.

The second and third stories are fitted up as chemical laboratories, the second being the laboratory of General Chemistry, and the third that of Medical Chemistry. Each story is capable of affording accommodation for 216 students; so that, even if the total University class reaches six hundred, each student of chemistry can be furnished with his own table and apparatus. In addition to the main room, on each story there are four balance rooms, divided from these large apartments by glass partitions.

The fourth story contains apartments for physiological, histological, and pathological laboratories. Animal rooms are also provided.

The entrance for the second, third, and fourth stories will be from the rear and nearly opposite the south entrance door of the medical department. The means of communication is by an iron stairway with slate steps. An elevator is arranged at this place for all the stories.



VANINGA - LIVGOUT

NEW BUILDING ERECTED FOR THE ACCOMMODATION OF THE CHEMICAL, HISTOLOGICAL AND PATHOLOGICAL LABORATORIES, AND THE OPERATIVE CLINIC OF THE DENTAL DEPT.

#### PRACTICAL CHEMISTRY.

1. The *Working Laboratory* for Practical Chemistry, under the supervision of the Professor of Chemistry and the Demonstrator with competent assistants, is open for students of the First Year, for the study of General Chemistry. The course includes chemical manipulations and the detailed study of the chemical reactions of the principal metals, acids, and their combinations; with the general principles of Qualitative Analysis, especially as they relate to the detection and separation of metals and compounds of interest to the physician. Each student is provided with a separate table and apparatus, and is required to exhibit by formula, on paper, all reactions involved in his tests.

2. Students of the Second Year will devote ten hours per week to practical work in the laboratory. The course embraces an introduction to the general principles of Quantitative Analysis and the principles of Volumetric Analysis, with the practical examination of urine and animal fluids, and the recognition and recovery of poisons from the animal body and complex mixtures.

#### THE HISTOLOGICAL LABORATORY

Is under the supervision of the Professor of Anatomy, and the direct guidance of the Demonstrator of Histology. The special object of the Laboratory is to afford students the opportunity of studying practical Histology in its relations with Human Anatomy and Physiology.

### PRACTICAL PHYSIOLOGY.

The Physiological Laboratories have been entirely refitted, and furnished with all the modern appliances necessary for the practical study of this subject. The Professor of Physiology, aided by the Demonstrator, personally superintends the laboratories.

The chief purpose of the Laboratories is to encourage graduates and students to make original researches on some of the many subjects in Physiology still undetermined. To this end courses will be given in which the student will be instructed in the fundamental facts of this science.

The laboratories are open throughout the entire year, except July and August.

### PATHOLOGICAL LABORATORY.

This Laboratory, under the direction of the Professor of General Pathology and Morbid Anatomy, and the Demonstrator of Pathological Histology, was opened in 1874, and has already attracted, from remote sections of the country, physicians and students who desire special preparation in microscopic technology and normal and pathological histology. It is suitably furnished with microscopes, and all appliances requisite for practical study of these subjects, and for making original researches; also with a library of standard works on normal and pathological histology.

### PHARMACEUTICAL LABORATORY.

The Pharmaceutical Laboratory is in charge of the Professor of Materia Medica and Pharmacy, and the Demonstrator of Pharmacy. It is furnished with suitable tables and all necessary apparatus. In it the student will learn not only the various pharmaceutical processes, but also that familiarity with drugs which can only be acquired by handling them.

### LABORATORY OF EXPERIMENTAL THERAPEUTICS.

This Laboratory, under the direction of the Professor of Materia Medica and Therapeutics, is furnished with kymographion, electrical apparatus, calorimeter, and other instruments necessary for the study of the physiological action of medicines.

### STILLÉ MEDICAL SOCIETY OF THE UNIVERSITY OF PENNSYLVANIA.

This Society is composed of second and third year students. Its meetings are held once a week during the winter session for the reading and discussion of papers referring to the theory and practice of medicine.

## PRIZES.

TWO PRIZES of One Hundred Dollars each will be awarded to the members of the Graduating Class of 1879-80 for the two best Essays upon Medical subjects, provided such Essays are of sufficient merit to be worthy of publication.

One of these prizes has been instituted by the SOCIETY OF THE ALUMNI of the Medical Department of the University.

The other has been authorized by a friend of the University.

**ANATOMICAL PRIZES.**—A *Gold Medal* will be awarded by Dr. H. LENOX HODGE, the Demonstrator of Anatomy, to that member of the Graduating Class who shall exhibit the greatest diligence, care, and skill in the practical study of anatomy.

A **PRIZE OF THIRTY DOLLARS** will also be awarded by the Demonstrator to that member of the Graduating Class who shall present the best record of the anomalies found in the anatomical rooms.

**DERMATOLOGICAL PRIZE.**—A *Gold Medal* will be awarded by LOUIS A. DUHRING, M.D., Professor of Diseases of the Skin, to the student who shall present the best thesis upon a subject in Dermatology, provided that it contain original research and be deemed worthy of a prize.

The names of those to whom the prizes are awarded will be announced at the Annual Commencement of the Medical Department.

## SUMMARY OF STUDENTS, SESSION 1878-79.

|                          |   |   |   |   |   |            |
|--------------------------|---|---|---|---|---|------------|
| Students on the old plan | . | . | . | . | . | 49         |
| " of the 3d year         | . | . | . | . | . | 45         |
| " " 2d "                 | . | . | . | . | . | 126        |
| " " 1st "                | . | . | . | . | . | 124        |
| " taking special courses | . | . | . | . | . | 3          |
| <b>Total</b>             | . | . | . | . | . | <b>347</b> |

The total number of new matriculates for the past session, including those admitted to advanced standing, was 142.

## SUMMARY OF STATES AND COUNTRIES.

|                      |   |   |   |    |                |   |   |    |                |                   |   |            |     |
|----------------------|---|---|---|----|----------------|---|---|----|----------------|-------------------|---|------------|-----|
| Brazil               | . | . | . | 2  | Iowa           | . | . | .  | 1              | Ohio              | . | .          | 5   |
| Canada               | . | . | . | 1  | Japan          | . | . | .  | 1              | Pennsylvania      | . | .          | 239 |
| Chili                | . | . | . | 1  | Maryland       | . | . | 4  | 1              | Prince Edward Is. | . | .          | 1   |
| Connecticut          | . | . | . | 3  | Mexico         | . | . | 1  | South Carolina | .                 | . | 2          |     |
| Costa Rica           | . | . | . | 1  | Minnesota      | . | . | 1  | Tennessee      | .                 | . | 2          |     |
| Cuba                 | . | . | . | 12 | Missouri       | . | . | 1  | Texas          | .                 | . | 2          |     |
| Delaware             | . | . | . | 4  | New Brunswick  | . | . | 3  | Virginia       | .                 | . | 4          |     |
| District of Columbia | 1 |   |   |    | New Hampshire  | . | . | 1  | West Virginia  | .                 | . | 1          |     |
| England              | . | . | . | 2  | New Jersey     | . | . | 33 | Wisconsin      | .                 | . | 2          |     |
| France               | . | . | . | 1  | New York       | . | . | 9  | <b>Total</b>   | .                 | . | <b>347</b> |     |
| Indiana              | . | . | . | 3  | North Carolina | . | . | 3  |                |                   |   |            |     |

## DEGREES, PRIZES, ETC.

At a Public Commencement held Friday, March 14, 1879, at the American Academy of Music, the Degree of Doctor of Medicine was conferred by CHARLES J. STILLÉ, LL.D., Provost, upon the following gentlemen; after which an address was delivered by JOHN ASHHURST, JR., M.D., Prof. of Clinical Surgery.

| NAME.                        | POST-OFFICE.           | STATE.   | SUBJECT OF ESSAY.   |
|------------------------------|------------------------|----------|---|
| ABBOT, GRIFFITH E. (PH.D.)   | Philadelphia,          | Pa.      | Ethers of Pyrophosphoric Acid.  |
| ALBRIGHT, JOSEPH W.          | Muncy,                 | Pa.      | Diphtheria.   |
| ATHERTON, JOSEPH             | Pittston,              | Pa.      | Gonorrhœa of the Male Urethra.  |
| BARBER, ISAAC (A.B.)         | Philipsburg,           | N. J.    | Alcohol.  |
| BARR, JAMES D.               | Hollidaysburgh,        | Pa.      | Scarlet Fever.  |
| BEATES, HENRY, JR.           | Philadelphia,          | Pa.      | Dysmenorrhœa.   |
| BENNETT, GEORGE D.           | Lima,                  | N. Y.    | Perityphlitis.  |
| BLUMER, G. ALDER             | Sunderland,            | Eng.     | Antiseptic Surgery.   |
| BRODIE, WILLIAM B.           | Philadelphia,          | Pa.      | Cirrhosis of the Liver.   |
| BROWN, JOHN C.               | Vincentown,            | N. J.    | Dermoid Cyst.   |
| BROWN, OLIVER H.             | Mauch Chunk,           | Pa.      | Stricture of the Urethra.   |
| BRUCE, MURDOCH F. (M.D.)     |                        | P. E. I. | The Physician.  |
| BURK, WILLIAM HINDS          | Philadelphia,          | Pa.      | Surface Anatomy of the Lower Extremity.   |
| CARBONELL, LOUIS PH. (PH.G.) | Santiago,              | Cuba.    | Immorality the Great Cause of Disease.  |
| CASSELBERRY, WILLIAM E.      | Philadelphia,          | Pa.      | Thrombosis and Embolism.  |
| CATHCART, THOS. HOLMES       | Philadelphia,          | Pa.      | The Relation of Marrow of Bones to Blood-corpuscles.                                |
| CERNA, DAVID                 | San Buenaventura, Mex. | Pa.      | Thevetia Iecotli and its Glucoside.   |
| CLARK, WILLIAM A., JR.       | Trenton,               | N. J.    | Physiology of the Heart and the Differential Diagnosis of Cardiac Valvular Lesions. |
| COHEN, ESDAILE PHILIP (A.M.) | Philadelphia,          | Pa.      | Femoral Hernia.   |
| CONRAD, J. REED              | Philadelphia,          | Pa.      | Muriate of Ammonia.   |
| DARBY, EDWIN T. (D.D.S.)     | Philadelphia,          | Pa.      |   |
| DARLINGTON, HORACE H.        | Concordville,          | Pa.      | Treatment of Typhoid Fever.   |
| DAVIS, WILLIAM G. (A.B.)     | Philadelphia,          | Pa.      | Contributions to the Minute Anatomy of the Liver.                                   |
| DUNDOR, DARIUS W.            | Bernville,             | Pa.      | Croupous Pneumonia.   |
| EBERMAN, HENRY F.            | Lancaster,             | Pa.      | Diphtheria.   |
| ELLINGER, THEOPHILE JOS.     | South St. Louis,       | Mo.      | Infectiousness of Tuberculosis.   |
| EWER, FERNANDO A. (D.D.S.)   | Valparaiso, Chili,     | S. A.    | Addison's Disease.  |
| FAUGHT, G. GRANVILLE         | Philadelphia,          | Pa.      | The Effect of Colchicum on the Urine.   |
| FERGUSON, WM. N. (A.B.)      | Dry Run,               | Pa.      | Lacerations of the Female Perineum.   |
| FRAZIER, JACOB M.            | Waco,                  | Texas.   | Has the Muscular Fibre of the Heart a Sarcolemma?                                   |
| FREEDLEY, H. STILES          | Philadelphia,          | Pa.      | Aphasia.  |
| FRITCHY, JOHN A.             | Harrisburg,            | Pa.      | Regeneration of Bone.   |
| GALLAHER, ROBERT C.          | Pittsburgh,            | Pa.      | Catarrhal Inflammation of the Bile Ducts.   |
| GRABER, LEON J. K.           | Bethlehem,             | Pa.      | Clinical Observations.  |
| GRAFF, CHARLES H.            | Worthington,           | Pa.      | Subinvolution.  |
| GRIFFITH, ABNER              | Ebensburg,             | Pa.      | Epilepsy.   |
| GROSS, JOHN H.               | Lock No. 17,           | Ohio.    | Tetanus.  |
| HART, EDGAR                  | Pennington,            | N. J.    | Post-partum Hemorrhage.   |
| HENKEL, FREDERICK L. (A.B.)  | New Market,            | Va.      | Digestion.  |
| HEUSER, ALBERT ERNEST        | Pittsburgh,            | Pa.      | The Laryngoscope.   |
| HUBLER, SIMON                | Mill City,             | Pa.      | Scarlet Fever.  |
| HUDSON, ROBERT D.            | Hopewell,              | Pa.      | Circulation of the Blood.   |
| HUGHES, DONNEL               | Philadelphia,          | Pa.      | Anatomy of the Eye.   |
| IRWIN, ROBERT C.             | Hollidaysburgh,        | Pa.      | Inflammation.   |

| NAME.                          | POST-OFFICE.    | STATE.  | SUBJECT OF ESSAY.  |
|--------------------------------|-----------------|---------|--|
| JACKSON, CHARLES P.            | Portville,      | N. Y.   | Medicine.  |
| JAMES, EUGENE HAROLD           | Orbisonia,      | Pa.     | The Causes of Sterility in Women.                                |
| JENKINS, GEORGE CRIST          | Curwensville,   | Pa.     | Diphtheria.  |
| JOHNSON, ROBERT W.             | Rockland,       | Md.     | Nature's Surgery.  |
| KANAWEL, JOHN F.               | Penn's Creek,   | Pa.     | Hygiene of Children.   |
| KELLER, ALBERT P. (Ph.G.)      | Philadelphia,   | Pa.     | Hygiene of the Hair.   |
| KRUPP, FRANKLIN                | Philadelphia,   | Pa.     | New Extension in Fracture of Femur.                              |
| MACBRIDE, GEORGE W. V.         | Philadelphia,   | Pa.     | Hemorrhage.  |
| MACGOWAN, D. GRANVILLE         | Philadelphia,   | Pa.     | Absorption and Elimination of the Salts of Bismuth.              |
| MCCAMY, ROBERT H.              | Philadelphia,   | Pa.     | Diagnosis.   |
| MCDOWELL, SAMUEL B. (M.D.)     | Philadelphia,   | Pa.     | Means of Arresting Hemorrhage.                                   |
| MCGILL, PETER                  | Williamstown,   | Pa.     | Nerves of the Ovary.   |
| MATTISON, RICHARD V. (Ph.G.)   | Philadelphia,   | Pa.     | Ferrum Dialysatum.   |
| MIFFLIN, HOUSTON               | Columbia,       | Pa.     | Extra-uterine Hemorrhage.  |
| MILLIKEN, FREDERICK H.         | Philadelphia,   | Pa.     | Rachitis.  |
| MILLIKIN, BENJ. L. (A.M.)      | Warren,         | Ohio.   | The Suturing of the Nerves.                                      |
| MOREJON, ABRAHAM               | Matanzas,       | Cuba.   | University Hospital Surgical Clinics.                            |
| MOSSMAN, BERIAH E. (M.D.)      | Greenville,     | Pa.     | Compound Dislocation of the Ankle joint.                         |
| MOTHERSBAUGH, HENRY H.         | Beech Creek,    | Pa.     | Indigestion.   |
| MULFORD, CLARENCE H.           | Bridgeton,      | N. J.   | Artificial Alimentation of Infants.                              |
| NAGLE, FRANK O.                | Philadelphia,   | Pa.     | Inunctions.  |
| NELSON, ADONIS                 | Taylorsville,   | Pa.     | Induction of Premature Labor.                                    |
| PATTERSON, HENRY               | West Chester,   | Pa.     | Abuse of the Passions.   |
| PILKINGTON, HORATIO            | Philadelphia,   | Pa.     | Dialysed Iron.   |
| RAMSAY, ROBERT N.              | Pottsville,     | Pa.     | Specific Medication.   |
| RAYNOR, NATHAN H. (A.B.)       | Philadelphia,   | Pa.     | Hydrophobia.   |
| RISK, J. BOYD (A.B.)           | Philadelphia,   | Pa.     | Supra-pubic Vesical Aspiration.                                  |
| REBER, W. WORRALL              | Lehighton,      | Pa.     | Pericarditis.  |
| REICHERT, EDWARD T.            | Philadelphia,   | Pa.     | Physiological Researches with Aporophiæ Hydrochloras.            |
| SEARS, WILLIAM H.              | Murfreesboro',  | N. C.   | Dysentery.   |
| SERFASS, JOHN J. (A.B.)        | Easton,         | Pa.     | Scirrhous of the Female Breast.                                  |
| SHAW, CHARLES STONER           | Pittsburgh,     | Pa.     | Glucosæmia.  |
| SHEETZ, J. LAWRENCE            | Womelsdorf,     | Pa.     | Management of Children.  |
| SHEPPARD, FREDERICK C.         | Bridgeton,      | N. J.   | Hip-disease.   |
| SHERRON, CLIFF M.              | Salem,          | N. J.   | Excision of the Knee-joint.                                      |
| SLOCUM, HARRY A.               | Philadelphia,   | Pa.     | Digestion.   |
| STEEL, FRANCIS C.              | New Buffalo,    | Pa.     | Scarlatina.  |
| STONE, J. SUMNER               | Wheeling,       | W. Va.  | The Physiological Action of Carbolic Acid in the Nervous System. |
| SUESSEROTT, LOUIS F.           | Chambersburg,   | Pa.     | The Antiseptic Treatment of Wounds.                              |
| TAGGART, DAVID, JR.            | Northumberland, | Pa.     | Typhus Fever.  |
| TURNER, WILLIAM F.             | Doylestown,     | Pa.     | Puerperal Convulsions.   |
| URQUHART, DAVID C.             | Philadelphia,   | Pa.     | Croton Oil.  |
| VIDAL, ETIENNE CHAUVEAU (M.D.) | Paris,          | France. | Pregnancy, with a discussion of its Symptoms and Signs.          |
| WALSH, JAMES J.                | Pittston,       | Pa.     | Chronic Cystitis, due to Prostatic Enlargement.                  |
| WHEATON, THEODORE C. (Ph.G.)   | Seaville,       | N. J.   | Pseudo-membranous Laryngitis.                                    |
| WILLITS, CHARLES H.            | Philadelphia,   | Pa.     | Chronic Endometritis.  |
| ZENTMAYER, LOUIS (A.B.)        | Philadelphia,   | Pa.     | Ciliated Epithelium.   |

Of the foregoing there were from—

|                      |   |                                |    |
|----------------------|---|--------------------------------|----|
| Chili . . . . .      | 1 | North Carolina . . . . .       | 1  |
| Cuba . . . . .       | 2 | Ohio . . . . .                 | 2  |
| England . . . . .    | 1 | Pennsylvania . . . . .         | 66 |
| France . . . . .     | 1 | Prince Edward Island . . . . . | 1  |
| Maryland . . . . .   | 1 | Texas . . . . .                | 1  |
| Mexico . . . . .     | 1 | Virginia . . . . .             | 1  |
| Missouri . . . . .   | 1 | West Virginia . . . . .        | 1  |
| New Jersey . . . . . | 8 |                                |    |
| New York . . . . .   | 2 | Total . . . . .                | 91 |

### PRIZES AWARDED.

The following gentlemen were awarded Prizes for their Theses.

WILLIAM G. DAVIS, Pennsylvania, \$100.

THOMAS HOLMES CATHCART, Pennsylvania, \$50. DAVID CERNA, Mexico, \$50.

The following were announced as having presented Theses of

#### DISTINGUISHED MERIT.

GRIFFITH E. ABBOTT, Pennsylvania.

WILLIAM H. BURK, Pennsylvania.

PETER MCGILL, Pennsylvania.

WILLIAM E. CASSELBERRY, Pennsylvania.

EDWARD T. REICHERT, Pennsylvania.

JACOB M. FRAZIER, Texas.

J. SUMNER STONE, West Virginia.

The Theses of the following received

#### HONORABLE MENTION.

GRANVILLE G. FAUGHT, Pennsylvania.

ABRAHAM MOREJON, Cuba.

ROBERT W. JOHNSON, Maryland

NATHAN H. RAYMOND, Pennsylvania.

RICHARD V. MATTISON, Pennsylvania.

FREDERICK C. SHEPPARD, New Jersey.

D. GRANVILLE MACGOWAN, Pennsylvania.

LOUIS ZENTMAYER, Pennsylvania.

#### ANATOMICAL PRIZES.

For diligence, care, and skill in the Practical Study of Anatomy,

FRANK O. NAGLE, Pennsylvania, Gold Medal.

WILLIAM G. DAVIS, Pennsylvania, JOHN A. FRITCHY, Pennsylvania, and CLIFF M. SHERRON, New Jersey, Distinguished Mention.

For the best record of anomalies found in the Dissecting Room during the year,

LOUIS PH. CARBONELL, Cuba, Anomaly Anatomical Prize, \$30.

JOHN M. EDGAR, Pennsylvania, WILLIAM E. HUGHES, Pennsylvania, B. ALEXANDER RANDALL, Maryland, Distinguished Mention.

Alumni of the Medical Department of the University, and others who desire to receive the Catalogue and Announcement, are requested to send their addresses to the Secretary, P. O. Box 2838, Philadelphia, Penna.

Letters on business of exclusive interest to the writer must enclose a return stamp to secure attention.

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